

Safety Data Sheet

according to Regulation (EC) No 1907/2006

Visalys CemCore

Revision date: 14.03.2019

Product code: VisalysCemCore

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SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Visalys CemCore

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture

Dual-curing composite

Uses advised against

Observe instructions for use.

1.3. Details of the supplier of the safety data sheet

Company name:	Kettenbach GmbH & Co. KG	
Street:	Im Heerfeld 7	
Place:	D-35713 Eschenburg	
Telephone:	+ 49(0) 2774/705-0	Telefax: +49 (0)2774/705-66
e-mail:	info@kettenbach.com	
Contact person:	Regulatory Affairs Manager	Telephone: +49 (0)2774/705-0
Internet:	www.kettenbach.com	
Responsible Department:	Regulatory Affairs	

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No. 1272/2008

Hazard categories:

Skin corrosion/irritation: Skin Irrit. 2

Serious eye damage/eye irritation: Eye Irrit. 2

Respiratory or skin sensitisation: Skin Sens. 1

Specific target organ toxicity - single exposure: STOT SE 3

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

Causes skin irritation.

Causes serious eye irritation.

May cause an allergic skin reaction.

May cause respiratory irritation.

Harmful to aquatic life with long lasting effects.

2.2. Label elements

Regulation (EC) No. 1272/2008

Hazard components for labelling

Cristobalite

Urethane dimethacrylate

Dibenzoylperoxide

2-(2-Hydroxy-5-methylphenyl)benzotriazole

Ytterbium (III) flouride

Signal word: Danger

Pictograms:



Hazard statements

H315

Causes skin irritation.

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H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P270 Do not eat, drink or smoke when using this product.
P273 Avoid release to the environment.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P302+P352 IF ON SKIN: Wash with plenty of water.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P312 Call a POISON CENTER/doctor if you feel unwell.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337+P313 If eye irritation persists: Get medical advice/attention.
P314 Get medical advice/attention if you feel unwell.
P233 Keep container tightly closed.
P405 Store locked up.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

The classification was carried out according to the calculation method of the Preparations Directive (1999/45/EC).

Hazardous components

CAS No	Chemical name	Quantity
	EC No	Index No
	REACH No	
	GHS Classification	
14464-46-1	Cristobalite	10-<45 %
	238-455-4	
	STOT RE 1; H372	
72869-86-4	Urethane dimethacrylate	5-<25 %
	276-957-5	
	Skin Irrit. 2, Eye Irrit. 2, Skin Sens. 1; H315 H319 H317	
13760-80-0	Ytterbium (III) fluoride	5-<25 %
	Skin Irrit. 2, Eye Irrit. 2, STOT SE 3; H315 H319 H335	
94-36-0	Dibenzoylperoxide	< 1 %
	Self-react. C, Eye Irrit. 2, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1; H242 H319 H317 H400 H410	
2440-22-4	2-(2-Hydroxy-5-methylphenyl)benzotriazole	< 1 %
	Eye Irrit. 2B, Skin Sens. 1; H320 H317	

Full text of H and EUH statements: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

After contact with skin

IF ON SKIN: Wash with plenty of soap and water.

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After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water. Seek medical advice immediately.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

No information available.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide (CO₂). Extinguishing powder. Water fog. High power water jet. alcohol resistant foam.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

No information available.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Not required.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up

Take up mechanically.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

For dental use only!

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.

Further information on handling

The usual precautions when handling chemicals have to be obtained. When using do not eat, drink or smoke.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container.

Keep away from heat.

Protect from sunlight.

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

7.3. Specific end use(s)

No information available.

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SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
94-36-0	Dibenzoyl peroxide	-	5		TWA (8 h)	WEL

8.2. Exposure controls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: Paste
 Colour: white - brown
 Odour: characteristic

Changes in the physical state

Melting point: not determined
 Initial boiling point and boiling range: not determined
 Flash point: not applicable
 Sustaining combustion: No data available

Flammability

Solid: not determined
 Gas: not determined

Explosive properties

not Explosive.
 Lower explosion limits: not determined
 Upper explosion limits: not determined
 Ignition temperature: not applicable

Auto-ignition temperature

Solid: not determined
 Gas: not determined
 Vapour pressure: not applicable
 Density: 1,75 g/cm³
 Bulk density: not determined
 Water solubility: insoluble

9.2. Other information

No information available.

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

In case of light influence: Polymerisation

10.3. Possibility of hazardous reactions

None by intended use.

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10.4. Conditions to avoid

None by intended use.

10.5. Incompatible materials

Radical former

Reducing agent

10.6. Hazardous decomposition products

None by intended use.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

Irritation and corrosivity

Causes skin irritation.

Causes serious eye irritation.

Sensitising effects

May cause an allergic skin reaction. (Urethane dimethacrylate; Dibenzoylperoxide; 2-(2-Hydroxy-5-methylphenyl)benzotriazole)

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

No information available.

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

not applicable

12.6. Other adverse effects

slightly hazardous to water (WGK 1)

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Refer to any Community provisions relating to waste.

Contaminated packaging

Refer to any Community provisions relating to waste.

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SECTION 14: Transport information

Land transport (ADR/RID)

- 14.1. UN number:** not applicable
14.2. UN proper shipping name: not applicable
 No dangerous good in sense of these transport regulations.

Inland waterways transport (ADN)

- 14.1. UN number:** not applicable
14.2. UN proper shipping name: not applicable
 No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es): not applicable

Marine transport (IMDG)

- 14.1. UN number:** not applicable
14.2. UN proper shipping name: not applicable
 No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es): not applicable

Air transport (ICAO-TI/IATA-DGR)

- 14.1. UN number:** not applicable
14.2. UN proper shipping name: not applicable
 No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es): not applicable

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

14.6. Special precautions for user

not applicable
 No dangerous good in sense of these transport regulations.

14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable
 No dangerous good in sense of these transport regulations.

SECTION 15: Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

National regulatory information

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Abbreviations and acronyms

Land transport (ADR/RID)
 Air transport (ICAO-TI / IATA-DGR)

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Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Irrit. 2; H315	Calculation method
Eye Irrit. 2; H319	Calculation method
Skin Sens. 1; H317	Calculation method
STOT SE 3; H335	
Aquatic Chronic 3; H412	Calculation method

Relevant H and EUH statements (number and full text)

H242	Heating may cause a fire.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
H320	Causes eye irritation.
H335	May cause respiratory irritation.
H372	Causes damage to organs through prolonged or repeated exposure.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H412	Harmful to aquatic life with long lasting effects.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)